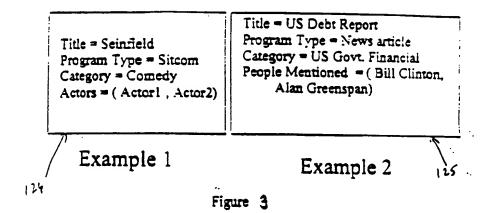
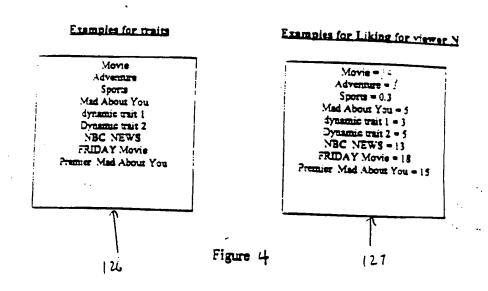


Figure 2

Examples of Program Information





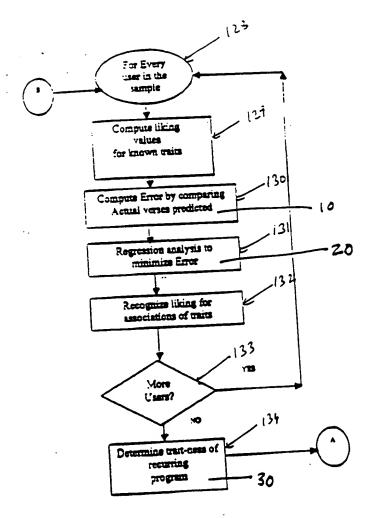


Figure 5(a)

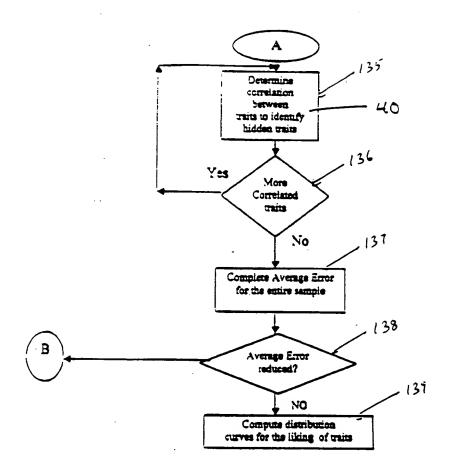


Figure 5 (b)

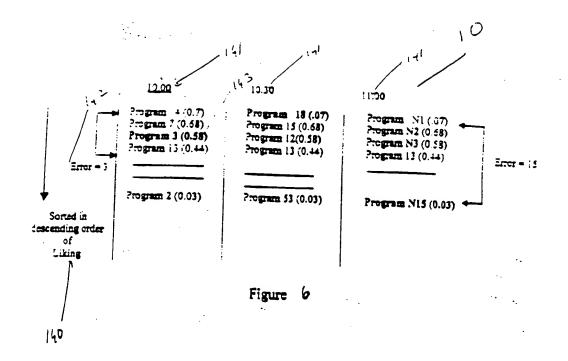


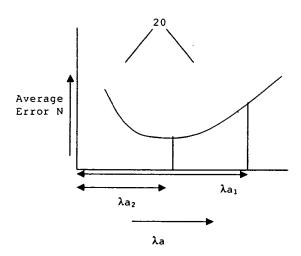
Figure 7

Current Liking Value

$\lambda a_1 = 2$ $\lambda b_1 = 5$ $\lambda c_1 = -3$ $\lambda d_1 = 0$

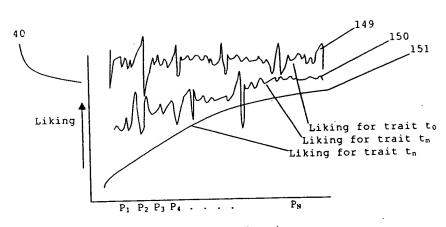
Next Liking Value

λa₂	=	1.5
λa_1	=	5
λa_1	=	-3
λa.	=	0



```
(\lambda b = \lambda b_1 \\ \lambda c = \lambda c_1 \\ \lambda d = \lambda d_1 \\ \vdots \\ \vdots \\ \lambda d_n = \lambda d_n
```

Figure 8



 t_{m} and t_{n} are correlated

 t_m can be expressed as $t_m = t_x + t_m'$ t_n can be expressed as $t_n = a_x t_x + t_n'$

and

Figure 9(a)

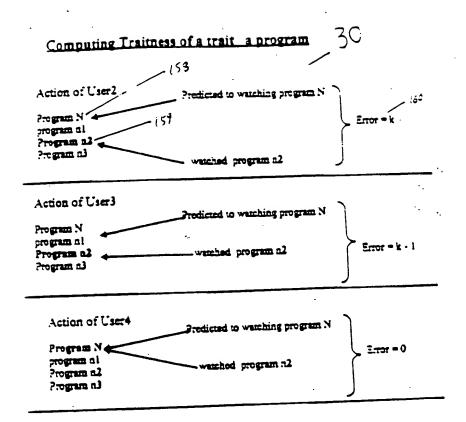
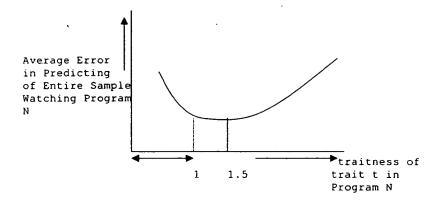


Figure 9(b)



Optimal value of traitness

e.g. comedy-ness in Seinfeld = 1.5
 comedy-ness in Frasier = 0.89

Example for Liking Distribution Record format

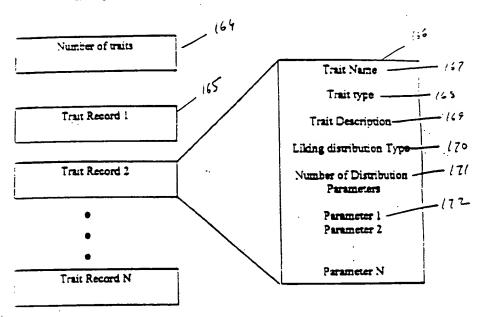


Figure 10

Some Sample Values For Fields in trait Record

Irait type

Trait Description

Static, dynamic Association Generated

(NBC. "NEWS").
SUBSTRING("CLA") IN DESC.
TITLE

Distribution

Distribution Parameters

Normal Exponential Defined type 1 Defined type 2

Mean = 13, Deviation =2

Figure ||

Example for Trainness of recurring Programs

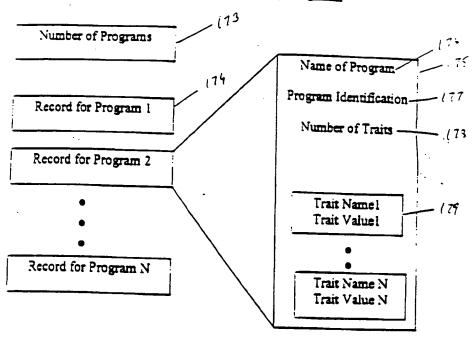


Figure 12

Example For Broadcasting traitness as a part of EPG Data

Program Info

Seinfield, NBC, Comedy = 0.07

sitcom,

Dynamic trait l = 0.1

Actor = Seinfield

Figure 13

Example for Selection Record

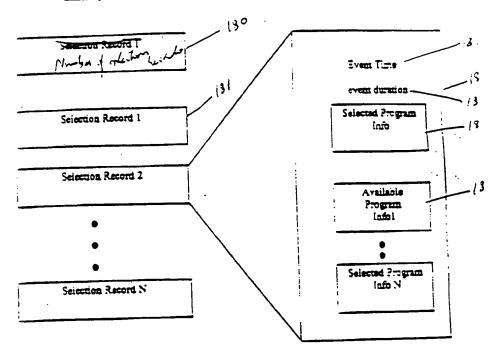


Figure 14

Generation of User Selection History

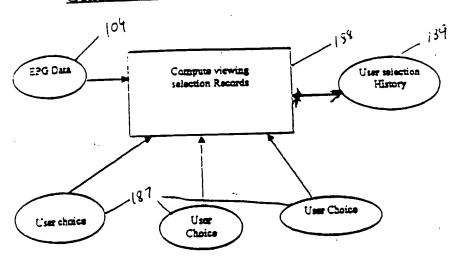
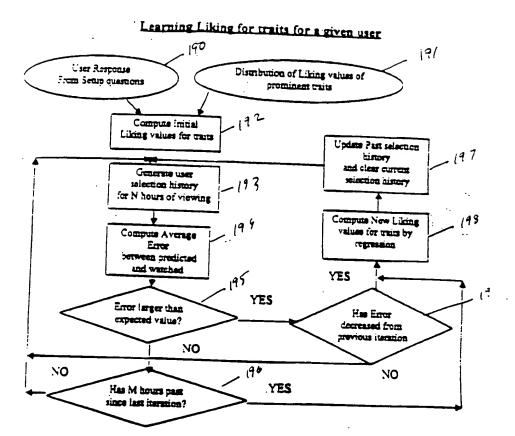


Figure 15



....

Figure 16

Computing Relevance

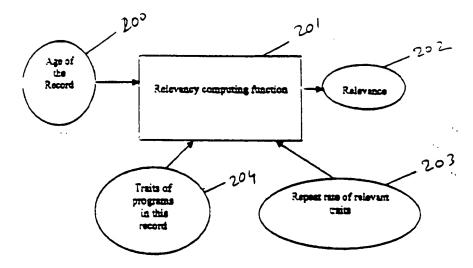


Figure 17 (4)

Figure 17(b)

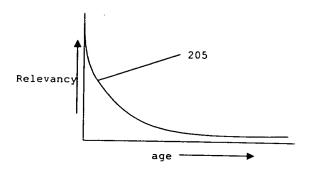
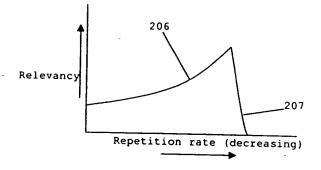


Figure 17(c)



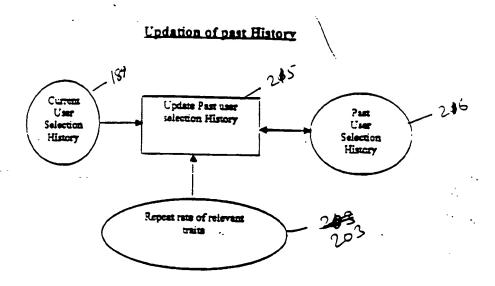
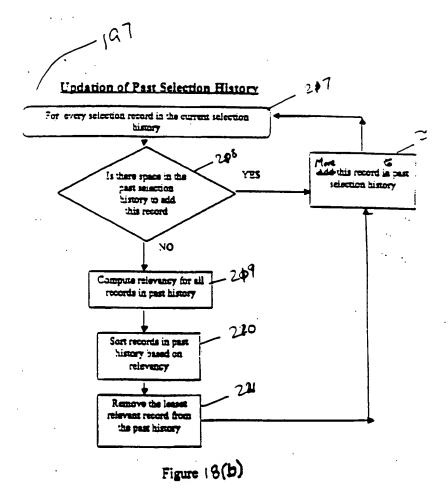
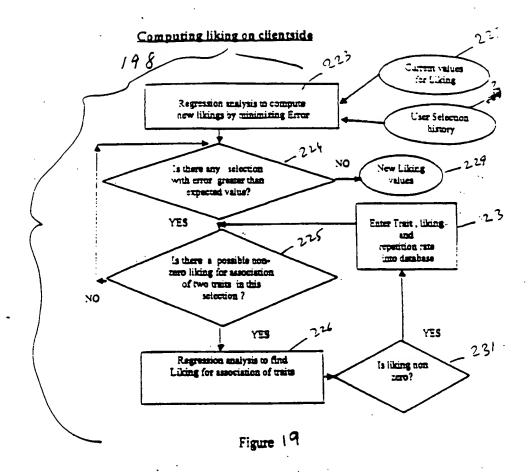


Figure 18(a)





Computing scores for programs for future prediction

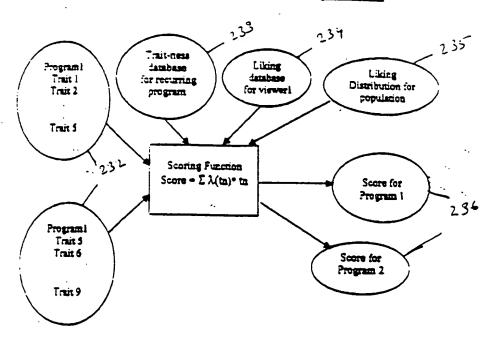
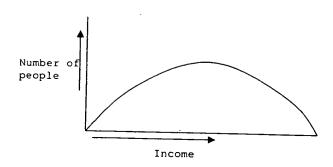
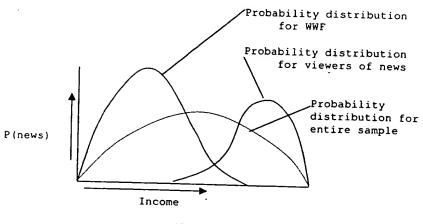


Figure 20

Figure 21(a)

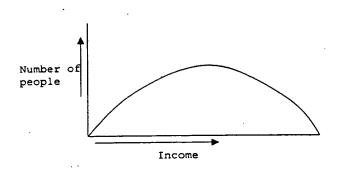


(i)

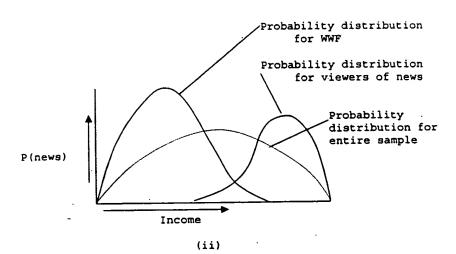


(ii)

Figure 21(a)



(i)

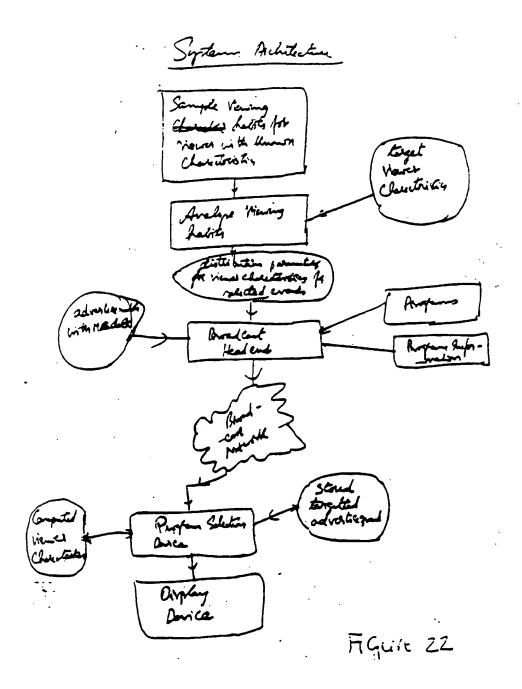


Enting of The Fende

Friends of Jack Ferrels

Port on are Female

Figure 216



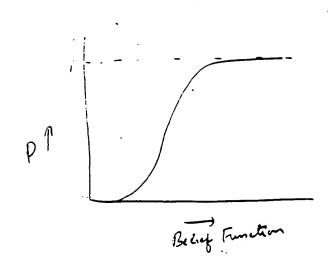


Figure 239

Demographic Trait Record format

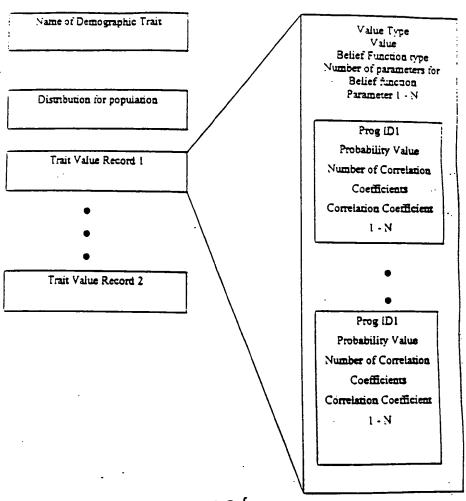


Figure 23b

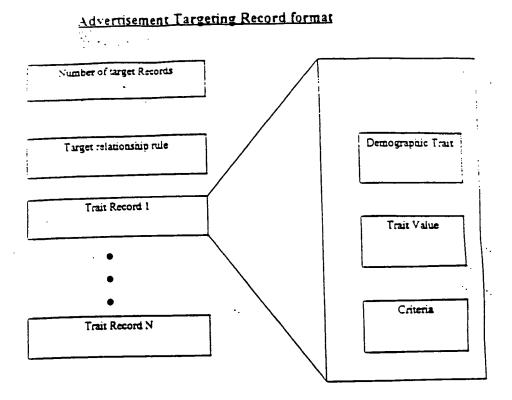
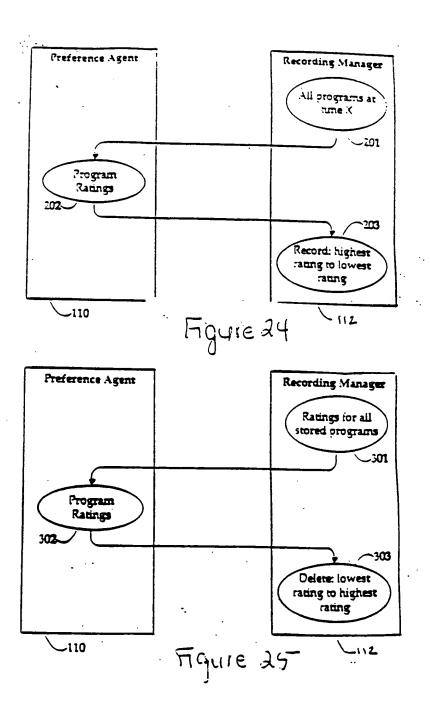
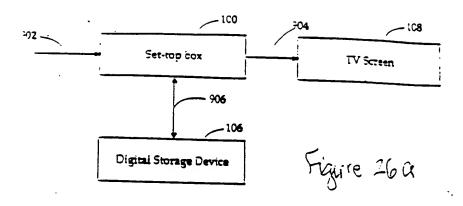
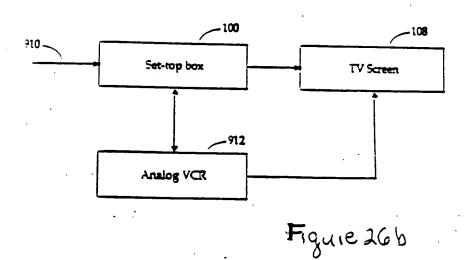


Figure 236







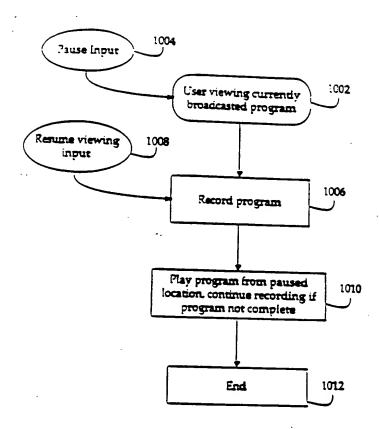
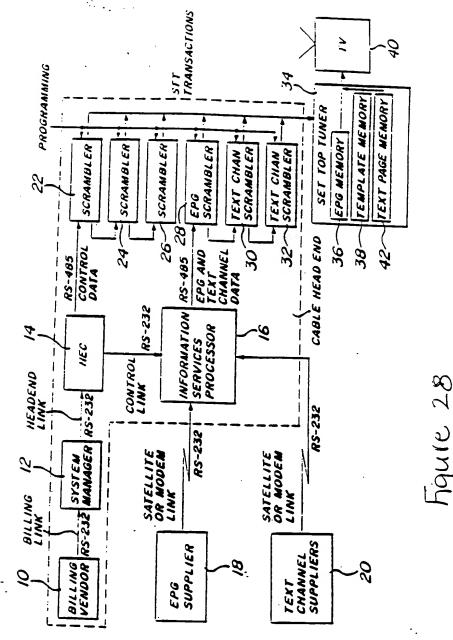
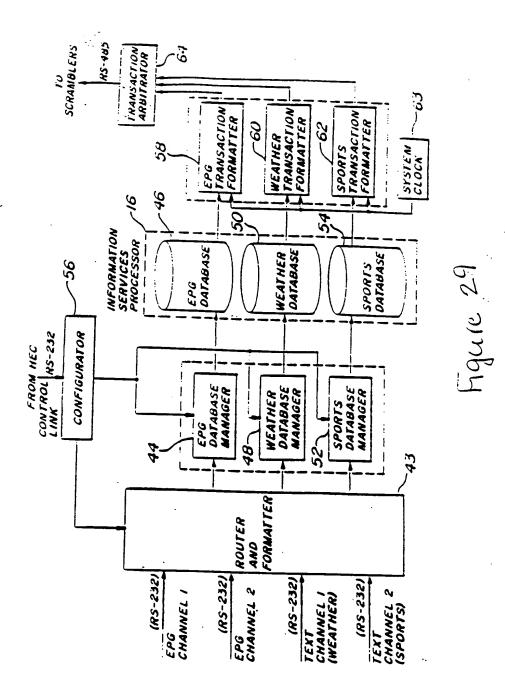
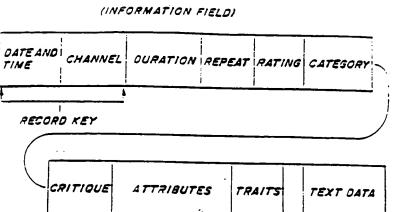


Figure 27





a 1.3.



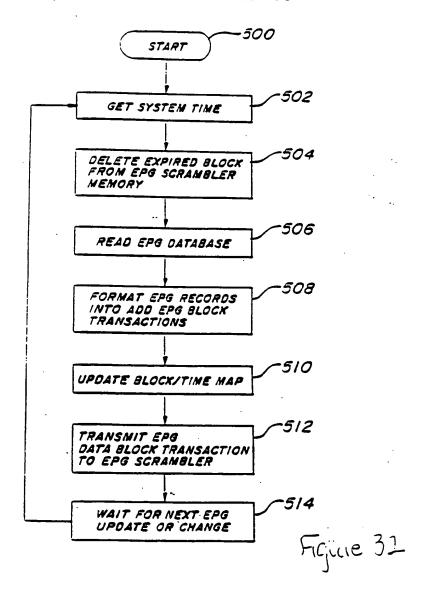
(TO SCRAMBLERS)

SEGINNING STATION CONTROL INFOR-FLAG ADDRESS MATION CHECK 18YTE 18YTE 18YTE ABYTES 28YTES

Figure 31

COMPRESSED

Figure 30



TEXT CHANNEL TRANSACTION FORMATTER 60,62

• . . .

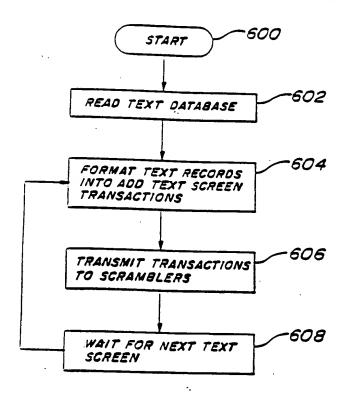
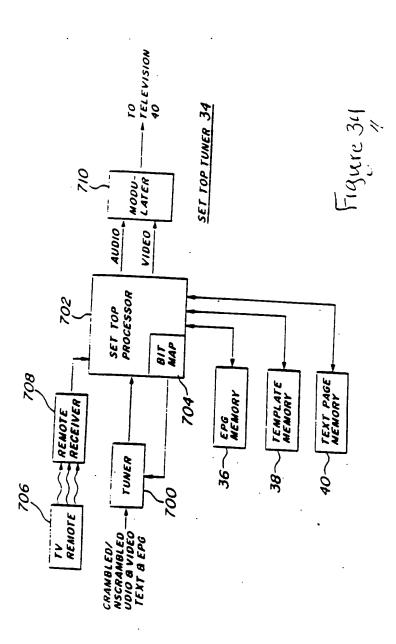


Figure 33



2-01855 for automatica. A preating Trusticle profiles and automatically resonantical currently agreed a profiles.

_	Determine the number of usage
	profiles for the device
	▼
	Monitor user actions
	▼
	Generate a history of user
	ections
	▼
	Generate multiple profiles
	•
_	÷
	Monitor Current user actions
	▼
	Predict the profiles that are
	active

Figure 35

Perform clustering using EM clustering technique

Figure 36

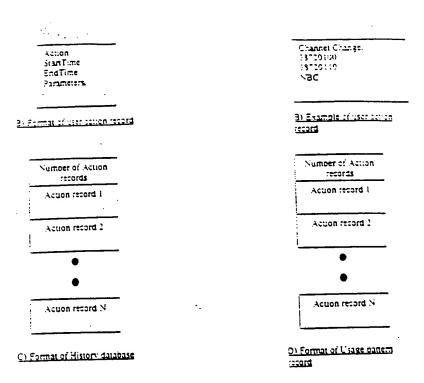
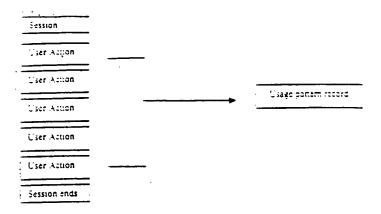
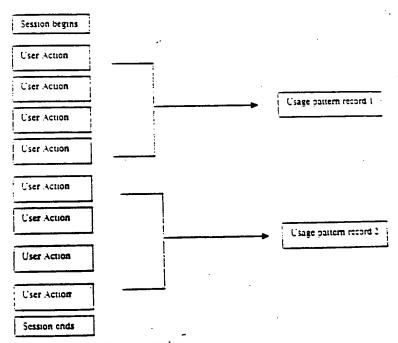


Figure 37

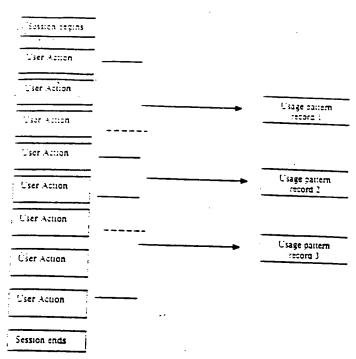


3) One method for creating usage pattern



B) One method for creating usage mitern

Figure 38



One method for creating usage panem record

Esque 39

Process for Predicting quirently active ordifies

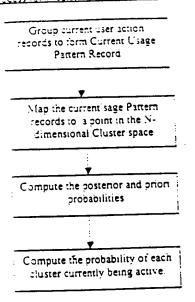


Figure 40

Profile Creation using Generated Clusters

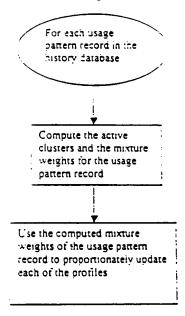


Figure 41

1.

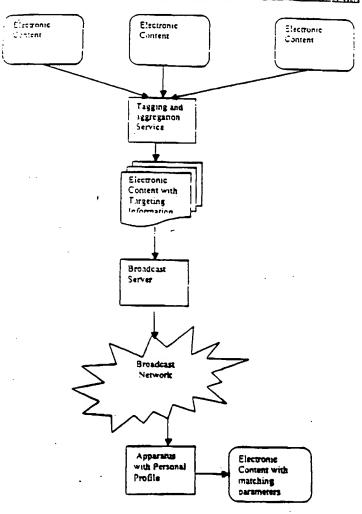
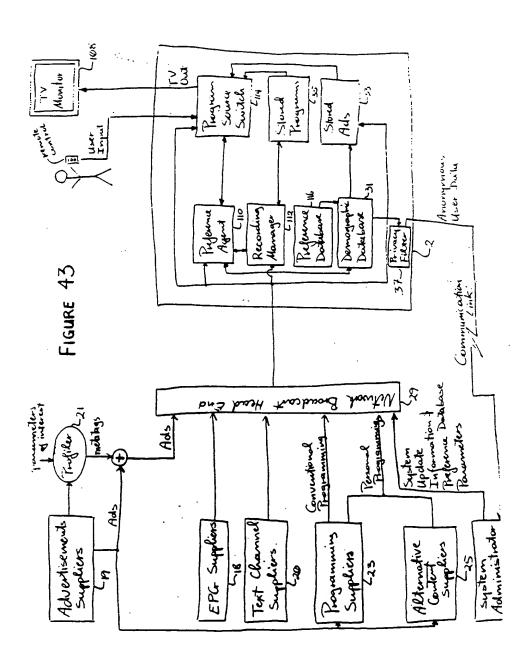


FIGURE 42



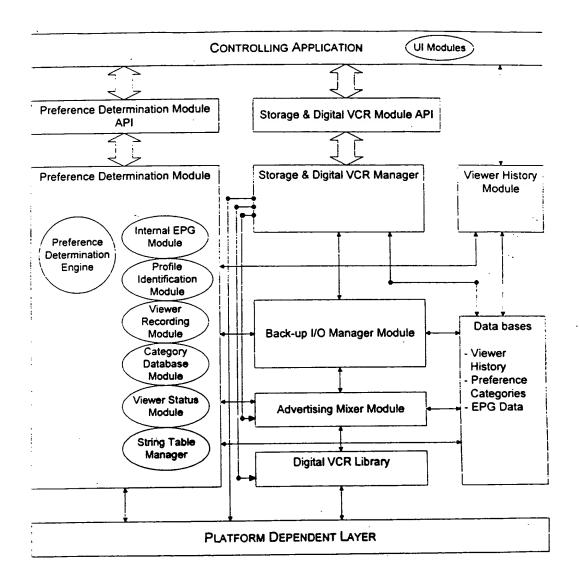
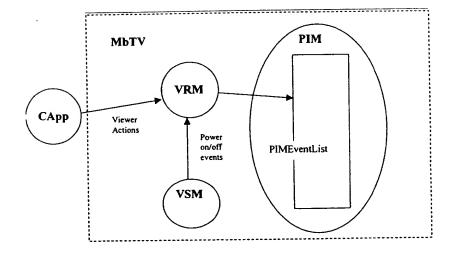
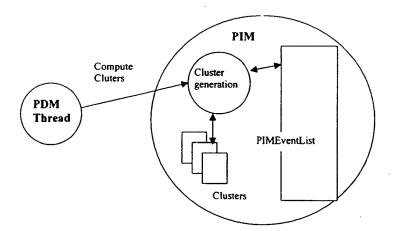


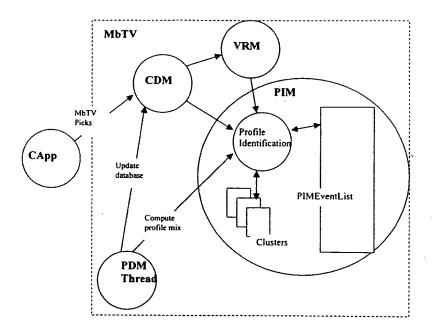
Figure 44.

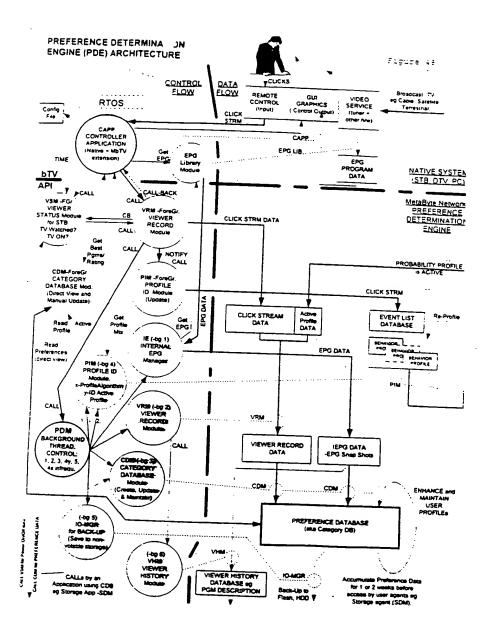
Figure 45



to see a

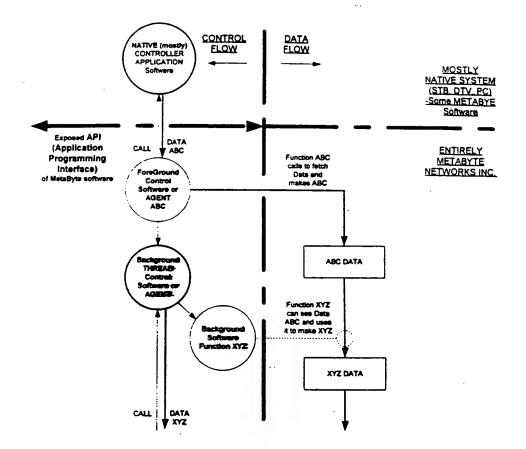


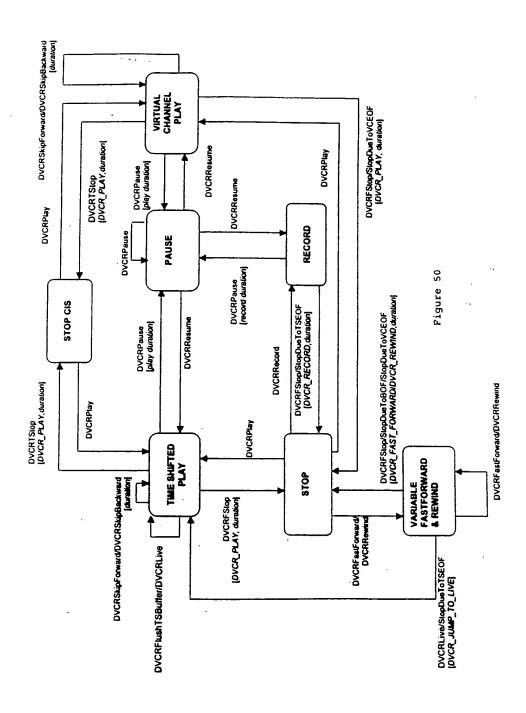




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Figure 49

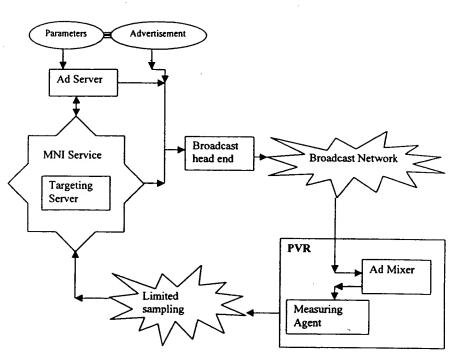




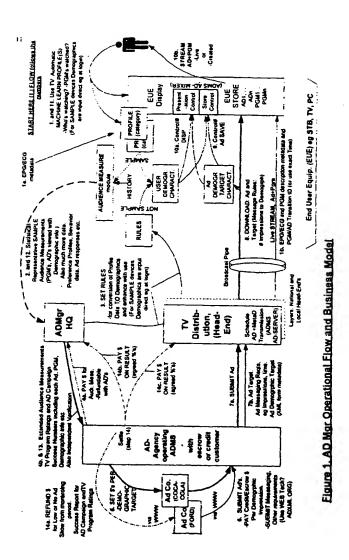
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5. p. ne .

Figure 51



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